The Wisconsin Department of Public Instruction

MDAT Step-by-Step

A Guide Through the Application

A Guide Through MDAT

- The next slides will guide you through the process of exploring data with MDAT.
- Follow along--we'll be looking at district level data. We recommend you do the same.

BEFORE YOU BEGIN…

- All users of Access Manager and MDAT will need a WAMS ID
  - To log in to MDAT
  - To log in to Access Manager
  - To gain access to MDAT via Access Manager
- WAMS=Web Access Management System
  - Once created, your WAMS ID may be used to log in to a variety of DPI and State of Wisconsin applications.

WAMS: More Information

- Need to sign up for a WAMS ID?
- Have a WAMS account, but don't remember your ID and/or password?
- Visit the LDS Home Page, or the WAMS Home Page, for more information about WAMS.
- If you have questions about WAMS, email LDShelp@dpi.wi.gov.

What type of MDAT user are you?

Type of MDAT User	Novice	Power
User Characteristics	➢Classroom Level Educators ➢Less experienced with independent data analysis ➢Haven't spent much time looking at state or local data	➢Administrators or teacher leaders ➢Able to spend time looking at multiple types of data in multiple ways ➢Accustomed to navigating datasets
Recommended approach to MDAT	✓FIRST--View "MDAT Overview" Presentation ✓Complete this presentation	✓View "MDAT Overview" Presentation ✓Explore MDAT

MDAT: First Steps

- Steps:
  - Develop research question(s)
  - Log in to MDAT
    - https://wlds.dpi.wi.gov/secure/
      - Or, visit the LDS Home Page and select "secure login"
    - External users log in with their WAMS ID and password*

      **Don't know what these are? Select the "Forgot User Name/Password" link or email LDShelp@dpi.wi.gov.*
  - Select MDAT from the secure home landing page

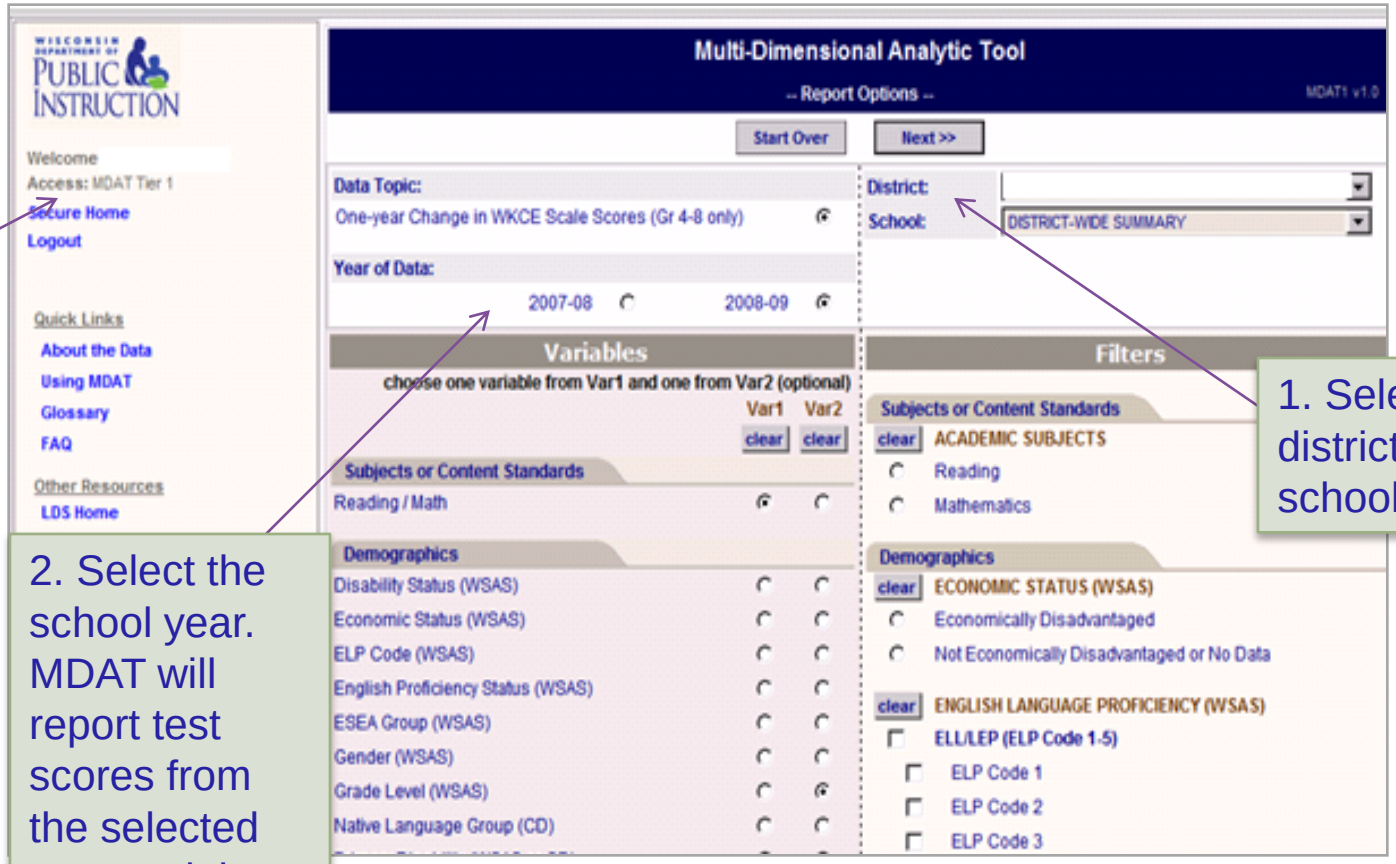
MDAT Privacy Agreement

- Upon logging in for the first time, and every 120 days thereafter, users will need to agree to the terms of use
  - Involves viewing and agreeing to terms set out in a brief data privacy presentation

MDAT Guide: First Steps

- Logged in? Now…
  1. Select district/school
     - State Summary Data is also available.
       - Choose State Summary Data from District Options
  2. Select year
     - MDAT uses three years of data, comparing a cohort from one school year to the next
       - Select 2007-08 to see change from 06/07 to 07/08
       - Select 2008-09 to see change from 07/08 to 08/09
  3. Select appropriate variables and filters to answer question
- See next slide for MDAT "front" page

First Screen to Select Variables and Filters



After you select your district and school, your tier level will appear here.

2. Select the school year. MDAT will report test scores from the selected year and the prior school year.

1. Select your district and school

FYI: Left Margin Informational Panel

Identifies user and assigned roles	Links to the DPI website.
Secure Home	Returns you to the LDS secure landing page
About the Data	Additional background on MDAT
Using MDAT	Process overview and guiding questions
Glossary	Terms to assist in more effective use of the tool
FAQ	Answers to frequently asked questions

MDAT Guide: Select a Question

- Consider a research question you would like to answer involving WKCE scale scores.
  - Our Question One: Looking at sixth grade students in the district, how does math performance differ between students with and without disabilities?

MDAT Guide: Selecting Variables and Filters

- Again, our question: Looking at sixth grade students in the district, how does math performance differ between students with and without disabilities?
- Remember, variables and filters allow you to define and refine your results for a specific population.
- Consider
  - What do we need to know?
  - Do these points involve limiting the options (e.g. one grade only), or showing all options (e.g. seeing results for all grades)?
- Use the table on the next page to help decide on variables or filters

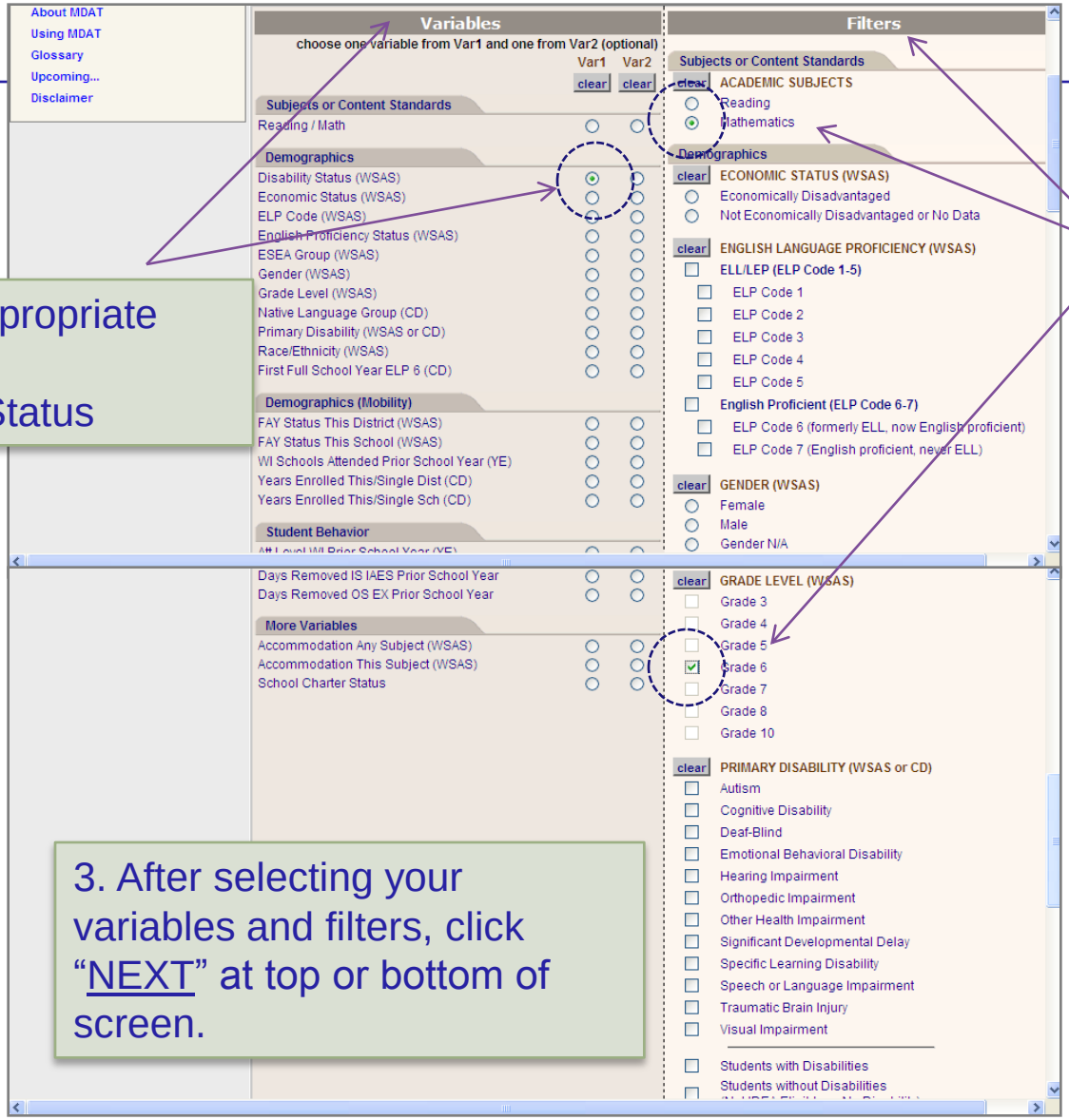
MDAT Guide: Selecting Variables and Filters

About what do you want to know?	Is it general? *VARIABLE*	Is it specific? *FILTER*
Subject: Mathematics	No	Yes
Students with AND without disabilities	Yes	No
Grade Six	No	Yes

MDAT Guide: Selecting Variables and Filters

- Based on our table, we need to select the following variables and filters:
  - Variable=Disability Status
  - Filter=Math (Subject)
  - Filter=Sixth grade (Grade)
- See the next page for the image of the options screen and our selected variables and filters

MDAT Guide: Screen for variable and filter selection

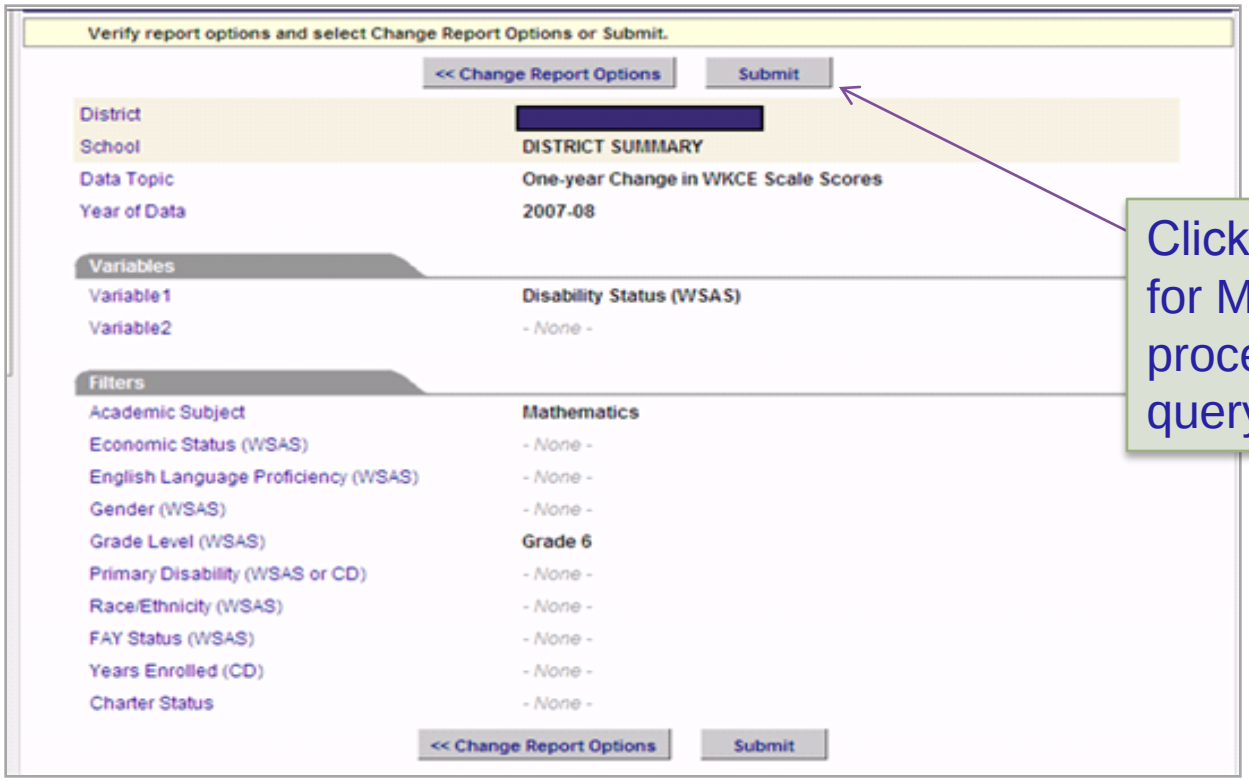


1. Select appropriate variables
–Disability Status

2. Select your filters
-Mathematics
-Grade 6

3. After selecting your variables and filters, click "NEXT" at top or bottom of screen.

MDAT Guide: Verify Your Selections



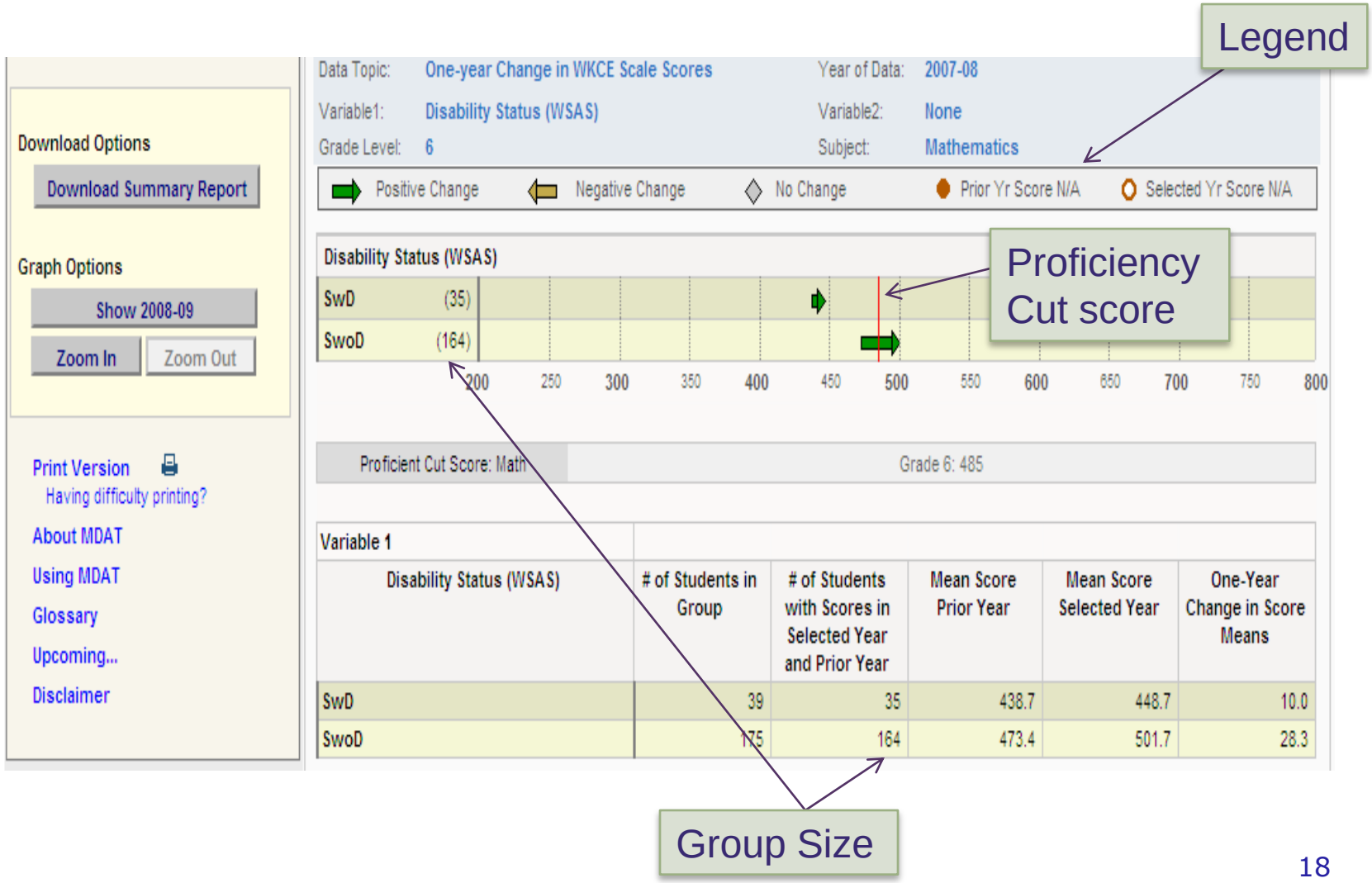
Click “submit” for MDAT to process your query.

This screen verifies your choices for variables and filters before running the query for your customized report.

MDAT Guide: Understanding Your Report

- After submitting your query, you will see a report page that includes a graph and a table.
- Report Points of Interest:
  - Arrows indicate direction of change
    - Green arrows, point right=positive change
    - Yellow arrows, point left=negative change
    - White diamond=no change
  - Vertical red line indicates proficiency cut score
- See the next page for our query results.

MDAT Guide: Report Screen Points of Interest



MDAT Guide: Interpreting Your Report

- What you can say for certain about the information presented in the table and graph?
  - From 2006-07 to 2007-08 the change for both groups was positive.
  - The one-year change in average scores for the 164 students without disabilities was 28.3.
  - The change in average scores for the group of students in the district with disabilities was 10.
- Always make note of the group size when looking at your data
  - Caution: group size, students without disabilities is <40.
- Consider if there are other factors that may influence the results you see
  - You can now change your report options to include more information, or refine your group further

MDAT Guide: Further Analysis of Our Question

- Let's refine the cohort of students
- Our refined question:
  - Still looking at sixth grade students and math scores, how does the performance of students with disabilities identified as EBD compare to students without disabilities?
- Let's revisit our Variable/Filter Chart

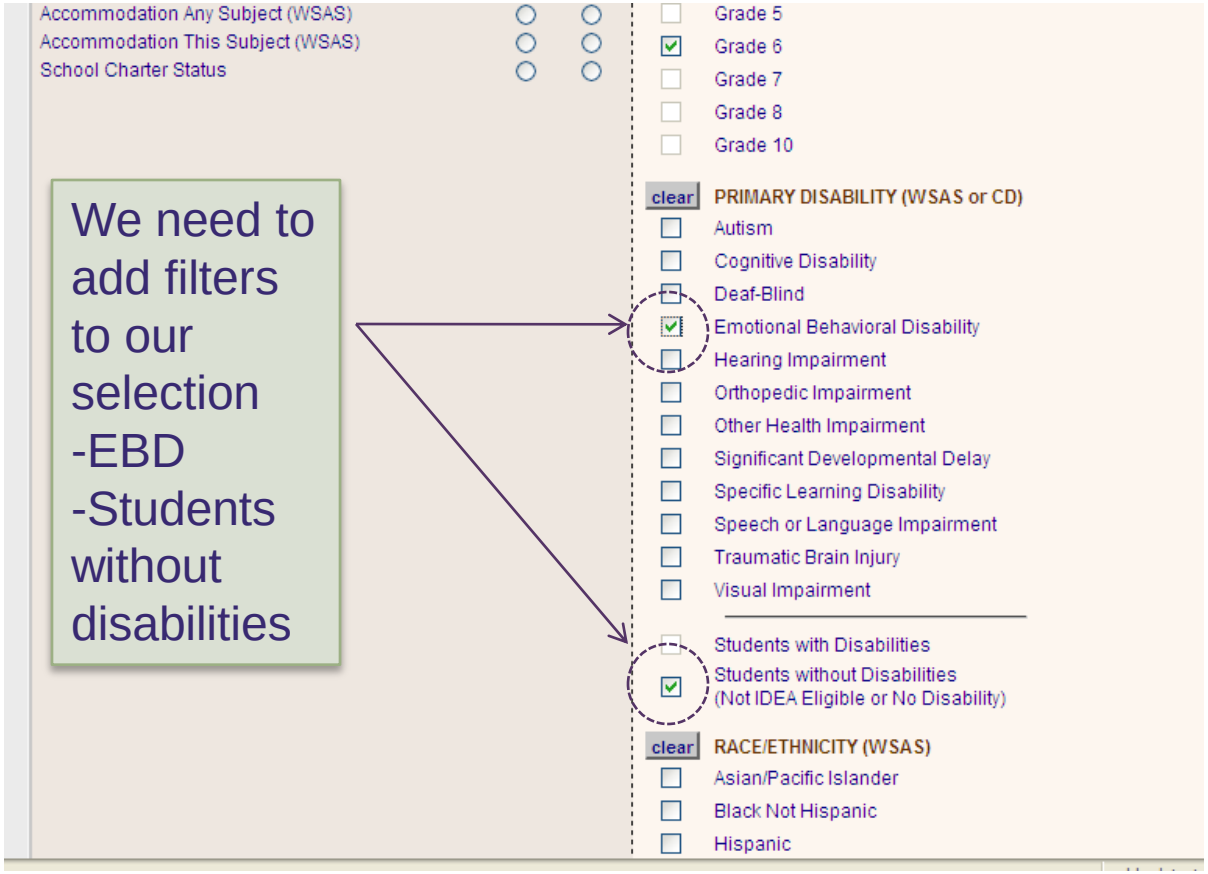
MDAT Guide: Refining our Variables and Filters

About what do you want to know?	Is it general? *VARIABLE*	Is it specific? *FILTER*
Subject: Mathematics	No	Yes
Students with and without disabilities	Yes	No
Grade Six	No	Yes
Students without disabilities	No	Yes
Students identified EBD	No	Yes

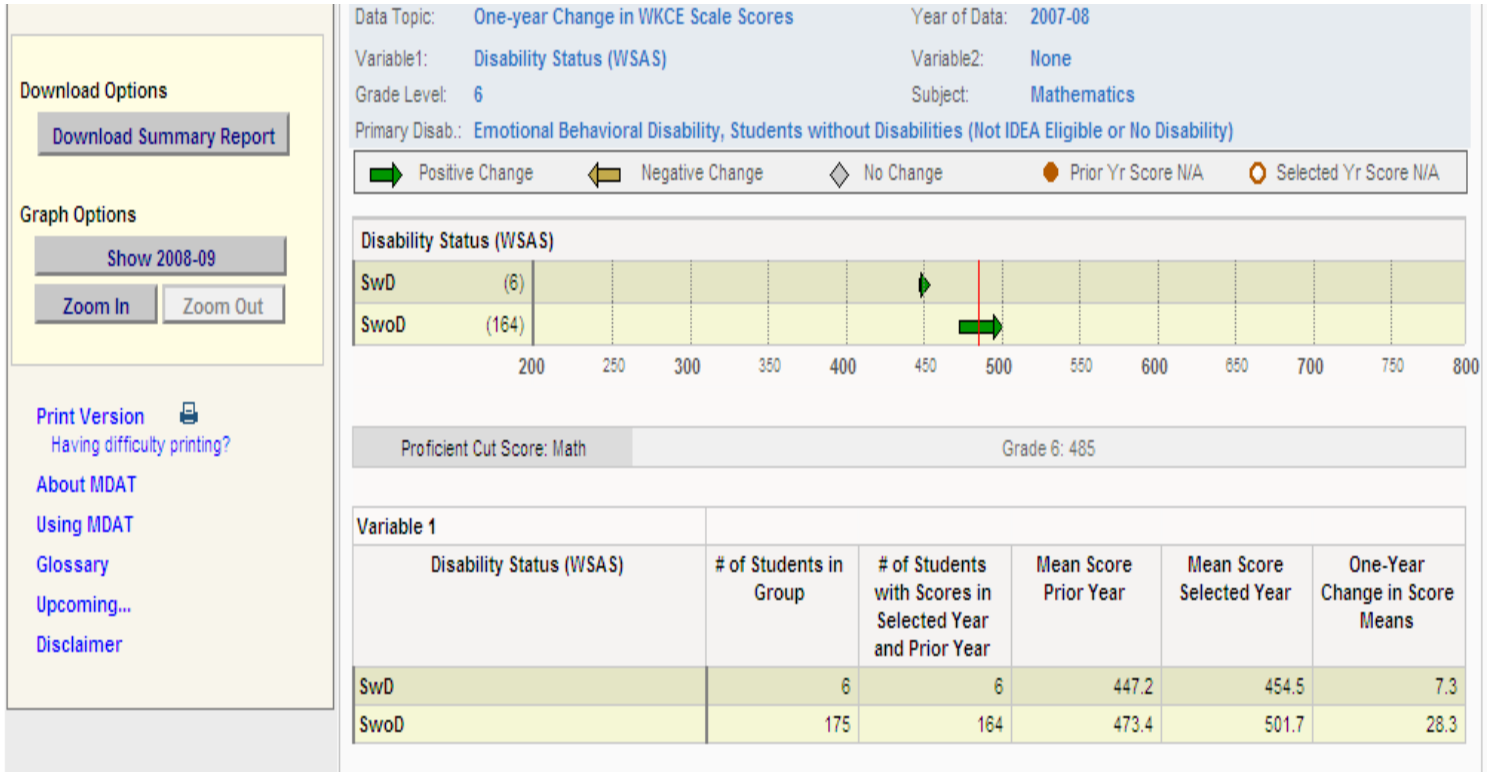
MDAT Guide: Refining Your Results

- There's no need to start over here.
- Select "Change Report Options" from the top of the page
- You will return to the report options page, with your previous selections (including the district/school) still entered.

MDAT Guide: Refining Your Results (Screen Shot)



MDAT Guide: Refined Results Screen



Variable 1					
Disability Status (WSAS)	# of Students in Group	# of Students with Scores in Selected Year and Prior Year	Mean Score Prior Year	Mean Score Selected Year	One-Year Change in Score Means
SwD	6	6	447.2	454.5	7.3
SwoD	175	164	473.4	501.7	28.3

How have the results changed with our refined question?

MDAT Guide: Additional Report Features

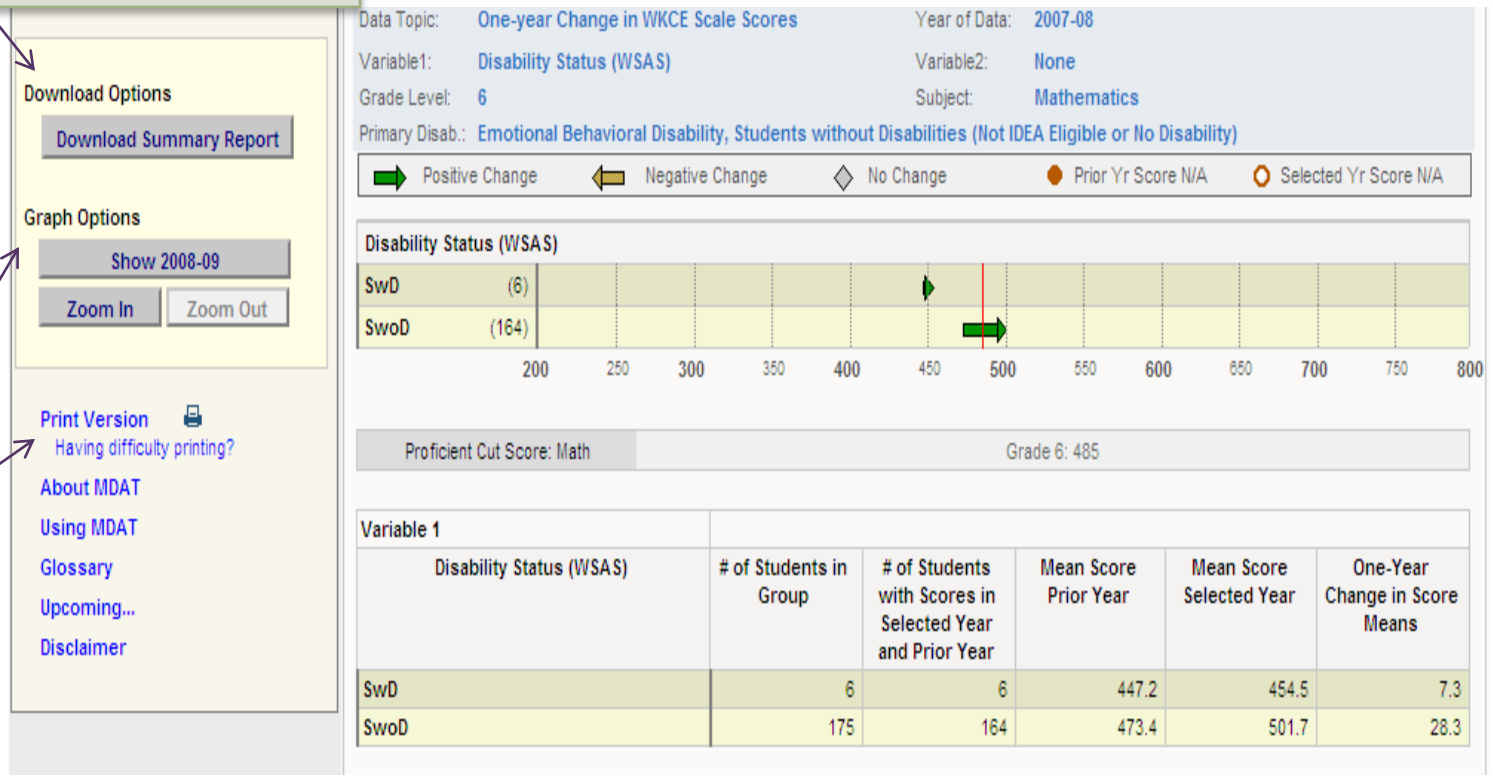
- Download Option-Available for Tier 1
- Graph Options
  - Swap years
  - Zoom IN: Expands graph for easier viewing
  - Zoom OUT: Condenses graph
- Print Option
  - Provides a report-only screen and assistance with printing

MDAT Guide: Additional Features on Screen

Available to Tier One Users only

To switch the report interval

Printing



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For MDAT Tier One Users: Downloading Data

- You have been identified as having a legitimate educational need to view confidential student data.
- You will be able to download MDAT aggregated or student level data for
  - Custom analysis and reporting purposes
  - Linking to local data not collected by DPI
    - Examples: classroom progress monitoring or intervention planning and evaluation

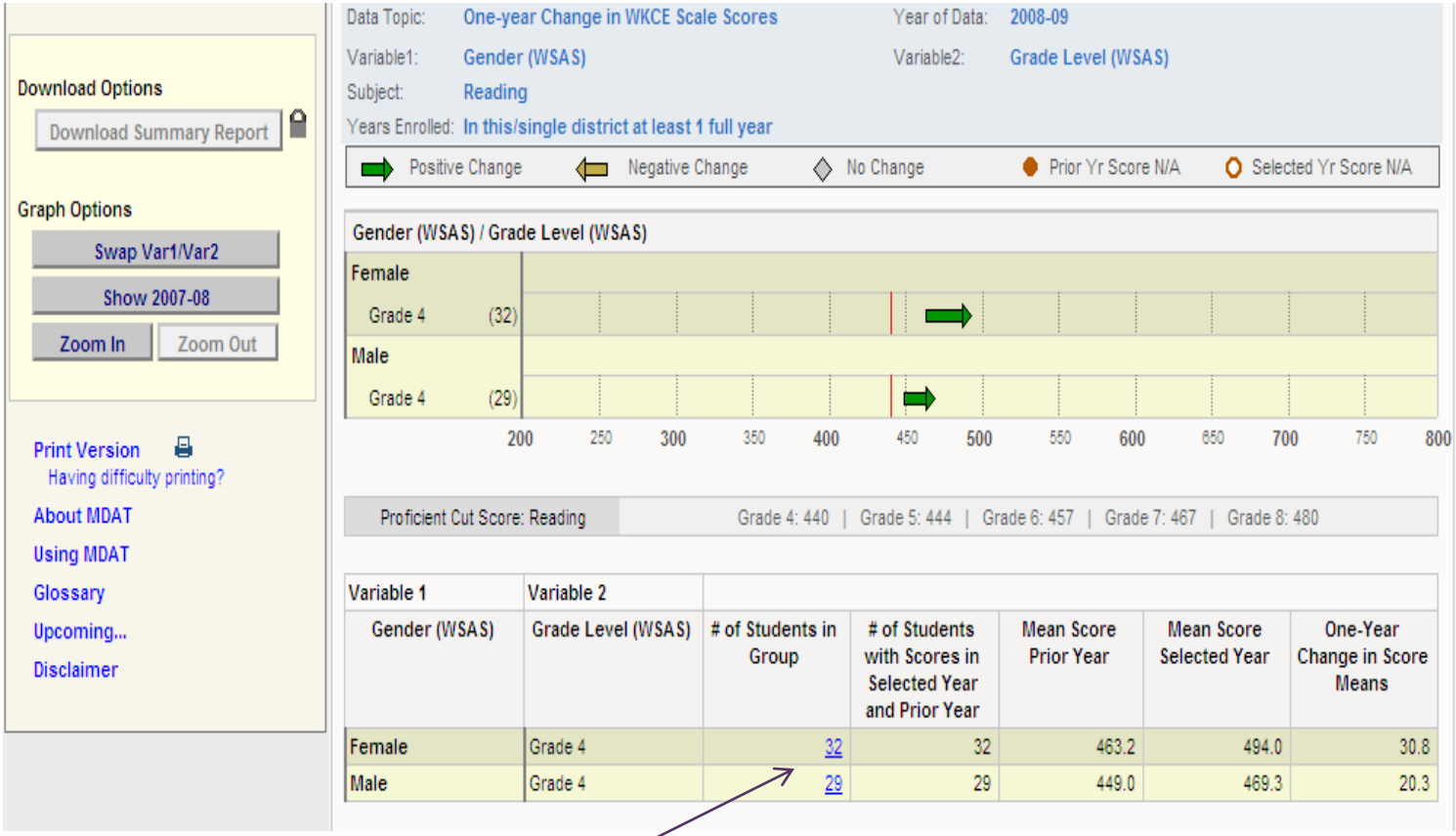
For MDAT Tier One Users: Downloading Data

- Select "Download Summary Report" from the left side of the screen.
- Open the document
- Note: some web browsers may have a pop-up blocker. If so, you will need to allow for the download, and RE-SELECT "Download Summary Report"
- For more assistance with downloads
  - MDAT FAQs

For MDAT Tiers 1-3: Accessing Student-Level Data

- Use the table below the graph to access student-level data
- Select the highlighted (blue) number under Number of Students in Group.
- This will access data that includes information for each student in the group
  - Scale scores for each year
  - The change in scores
  - Standard error of measurement
  - Proficiency category
- Remember--this is HIGHLY SENSITIVE information and should be seen ONLY by authorized personnel.

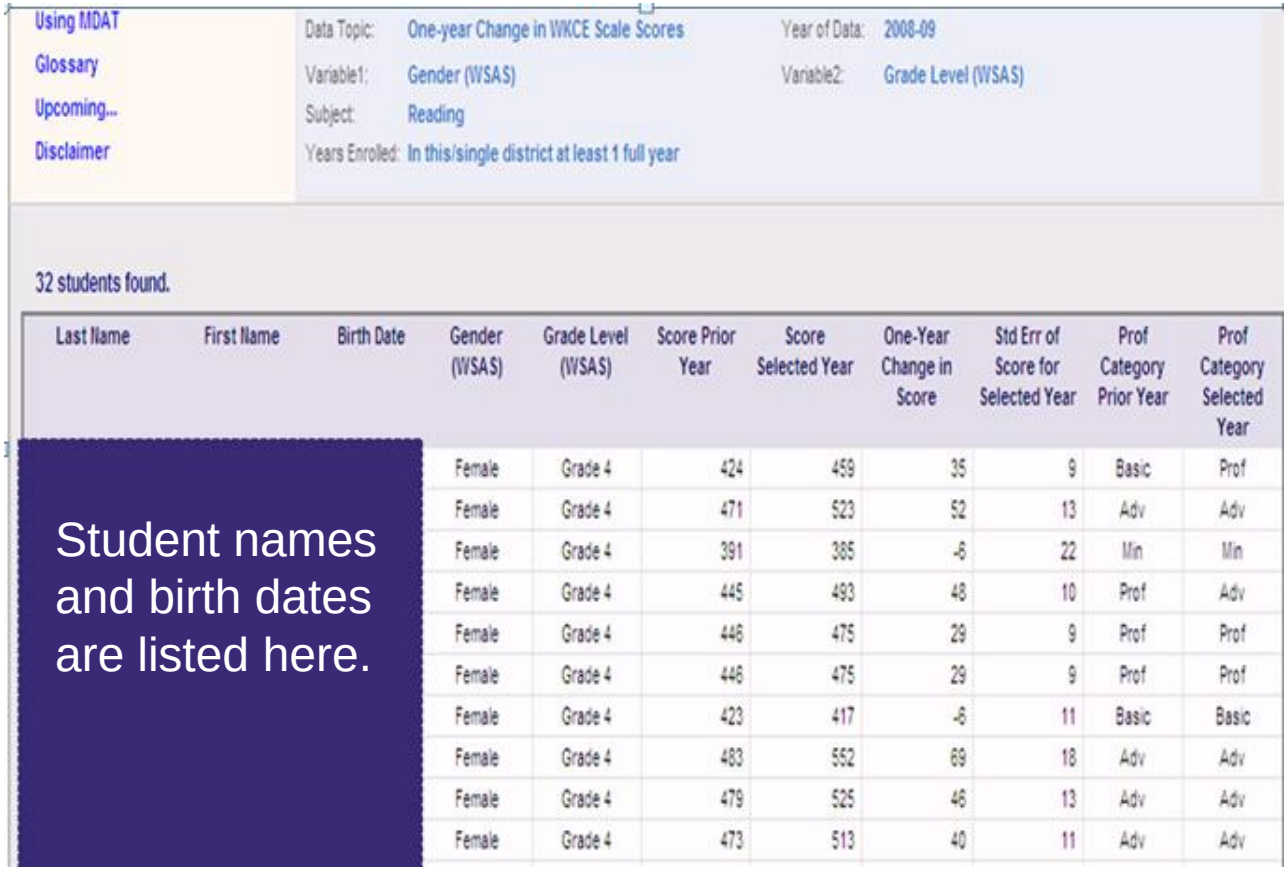
For MDAT Tiers 1-3: Accessing Student-Level Data



Variable 1	Variable 2					
Gender (WSAS)	Grade Level (WSAS)	# of Students in Group	# of Students with Scores in Selected Year and Prior Year	Mean Score Prior Year	Mean Score Selected Year	One-Year Change in Score Means
Female	Grade 4	32	32	463.2	494.0	30.8
Male	Grade 4	29	29	449.0	469.3	20.3

Selecting these will produce a new page with student detail information

For MDAT Tiers 1-3: Screen with Student Information



Using MDAT
Glossary
Upcoming...
Disclaimer

Data Topic: One-year Change in WKCE Scale Scores
Year of Data: 2008-09
Variable1: Gender (WSAS)
Variable2: Grade Level (WSAS)
Subject: Reading
Years Enrolled: In this/single district at least 1 full year

32 students found.

Last Name	First Name	Birth Date	Gender (WSAS)	Grade Level (WSAS)	Score Prior Year	Score Selected Year	One-Year Change in Score	Std Err of Score for Selected Year	Prof Category Prior Year	Prof Category Selected Year
			Female	Grade 4	424	459	35	9	Basic	Prof
			Female	Grade 4	471	523	52	13	Adv	Adv
			Female	Grade 4	391	385	-6	22	Min	Min
			Female	Grade 4	445	493	48	10	Prof	Adv
			Female	Grade 4	446	475	29	9	Prof	Prof
			Female	Grade 4	446	475	29	9	Prof	Prof
			Female	Grade 4	423	417	-6	11	Basic	Basic
			Female	Grade 4	483	552	69	18	Adv	Adv
			Female	Grade 4	479	525	46	13	Adv	Adv
			Female	Grade 4	473	513	40	11	Adv	Adv

Student names and birth dates are listed here.

Done using MDAT?

LOG OUT and CLOSE the BROWSER!

(Make sure you close ALL windows, regardless of content.)

Additional Assistance and Resources

- Email
  - LDShelp@dpi.wi.gov

  OR

- Visit LDS on the DPI Website:
  - http://dpi.wi.gov/lds/index.html